

2011-03-29 Tuesday Morning Notes

Tuesday, March 29, 2011
6:00 AM

On-call

- Sunday: Tony
- Monday: DVM
- Tuesday: Vladimir
- Wednesday: DVM
- Thursday : Vladimir

Access

- A1B3 LCW leak was repaired
- Antihydrogen experiment tunnel work
- Other small maintenance jobs.

AP0 Dump Water Work

- Replaced fittings all four brass compression fittings at the top of the dump module with stainless steel fittings.
- Also replaced three additional fittings at the top of the penetration in the water cage.
- Pressure tested both circuits at 5 psi and 15 psi.
- Purged circuit #1 to clean up the sealant
- Filled both circuit #1 and #2
- Put the blocks back
- Running on both circuits.
- The beam dump water system appears to be holding water level in the reservoir tank. Pressure has dropped slightly which is normal as the beam dump cools off. We are running with circuit 1 & 2 in service with a total flow of 5.6 gpm and with about 1 gpm running through the filter/bypass loop. The CW isolation system is running now, but it may not be necessary and will probably be turned off later this morning. Beam dump module shield blocks and upper vault shield blocks were installed this morning. Target station interlocks are made up and we are ready to stack

AP50 Emergency Generator:

- AP50 Emergency Generator replacement is schedule to start today
- Saw electricians at AP50, but no sign of the crane today.

Antihydrogen:

- Completed background measurements overnight and will need to turn off before we go back to stacking.

Plan:

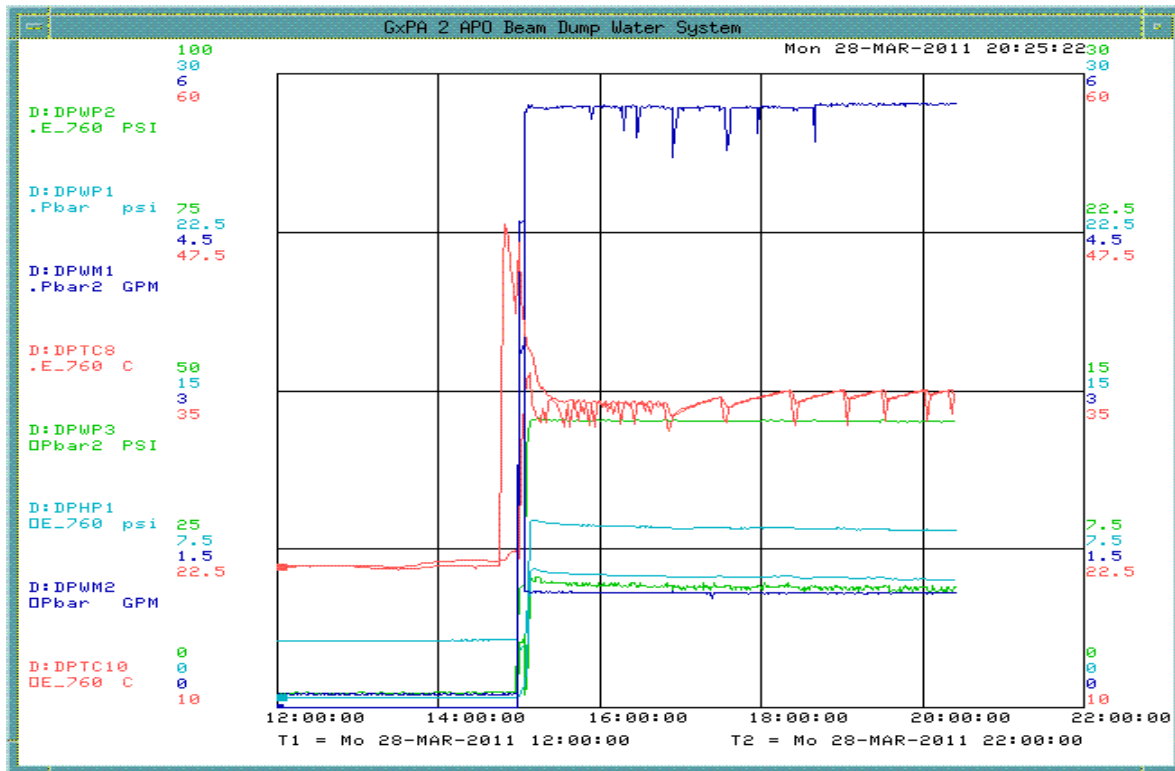
- Resume stacking after the F-Sector access is complete.
- When will RR need to see pbars?
- Maybe run Antihydrogen overnight if no pressure to stack yet.

AP0 CW Isolation System:

- There are a few parameters related to the new CW isolation system. They are listed on P12, dump, page 3:
- D:DPCWCN - the dump ACL program heartbeat for data logging purposes
- D:DPWV3 - CW isolation valve control (off means CW regulation is off, i.e., CW flow is on

- D:DPWVST - the status bit.) 0, 1, 2, or 3 means the valve control power is de-energized (CW is flowing). 4, 5, or 7 means the valve the control power is energized, i.e., (CW is not flowing)
- D:DPCWCT - the acl script runtime meter in minutes. The parameter is reset when the script is initialized.
- D:DPCWKL - setting a value greater than 0 kills the script. **If in doubt about whether this script should run or not, kill the script to go back to the old regulation system.**

Plots



D:DPTC8 supply temp regulating between 32.5 and 35C

